BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

RA 1ST AND FINAL BILL

Name of work: Construction of RCC Drains in Ramachandrapura Slum Main Road in Ward No. 10, Vidyaranyapura Sub Division

Estimated Cost : Rs. 50.00 Lakhs

Head of Account : P-3158

Job Code: 010-18-000059

Name of Agency: Sri. N.M. Shivakumar, Contractor, # 07, 2nd Block, Jugganahalli, Rajajinagar, Bangalore – 560 010.

Work order No: BBMP/EE/BTP/WO/219/2018-19 D: 30.01.2019.

Measurements Recarded on :

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above.							Cum	
	HMT Main Road E/S		1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	15.00	1.80	0.15	4.05		
	HMT Main Road W/S		1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	30.00	1.80	0.15	8.10		
			1	20.00	1.80	0.15	5.40		
				Total Qty =			**211.95**	1000.00	**211950.00**

Assistant Engineer

Assistant Executive Engineer

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Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Excavation for road, drains and similar works KSRRB 300-1. Earthwork **excavation by manual means in ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.							Cum	
	HMT Main Road E/S		1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	15.00	0.90	0.60	8.10		
	HMT Main Road W/S		1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	30.00	0.90	0.60	16.20		
			1	28.00	0.90	0.60	15.12		
				Total Qty =			**428.22**	199.00	**85216.00**
3	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.							Cum	
	HMT Main Road E/S		2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		

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Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			2	30.00	0.45	0.23	6.21		
			2	15.00	0.45	0.23	3.11		
	HMT Main Road W/S		2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	30.00	0.45	0.23	6.21		
			2	28.00	0.45	0.23	5.80		
				Total Qty =			**164.15**	4800.00	**787925.00**
4	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications							Sqm	
	HMT Main Road E/S		2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	15.00		0.90	27.00		
	HMT Main Road W/S		2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	30.00		0.90	54.00		
			2	28.00		0.90	50.40		
				Total Qty =			**1427.40**	103.00	**147022.00**
5	Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification.							Cum	
	HMT Main Road E/S		2	30.00	0.45	0.10	2.70		

Savitha NK
Assistant Engineer

Assistant Executive Engineer

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Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	15.00	0.45	0.10	1.35		
	HMT Main Road W/S		2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	30.00	0.45	0.10	2.70		
			2	28.00	0.45	0.10	2.52		
				Total Qty =			**71.37**	5000.00	**356850.00**
6	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete7.5 cms thick							Sqm	
	HMT Main Road E/S		1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	15.00		1.80	27.00		
	HMT Main Road W/S		1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		

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Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	30.00		1.80	54.00		
			1	28.00		1.80	50.40		
				793.00					
				Total Qty =			**1427.40**	665.00	**949221.00**
7	Providing chamfering edges to stone slab 2.5cms. wide as per specifications. (only chamfered length shall be recorded)							M	
			1322	4.80			6344.00		
				Total Qty =			**6344.00**	37.00	**234728.00**
8	Providing two line dressing to granite stone slab / granite stone masonry as per specifications.							Sqm	
				Qty Vide Item No. 6			1427.40		
				Total Qty =			**1427.40**	780.00	**1113372.00**
9	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete							Nos	
	Kerb Stone								
	HMT Main Road E/S		1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	15.00			15		
	HMT Main Road W/S		1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	30.00			30		
			1	28.00			28		
							793		
							0.45		

Suvetha NK
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BBMP, Bangalore - 97

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
				Total Qty =			**1762**	331.00	**583296.00**
10	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.							Sqm	
	Kerb Stone Painting								
	HMT Main Road E/S		1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	15.00		0.45	6.75		
	HMT Main Road W/S		1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	30.00		0.45	13.50		
			1	28.00		0.45	12.60		
				Total Qty =			**356.85**	27.00	**9635.00**
11	Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.							**Sqm**	
				Qty Vide Item No. 10			356.85		
				Total Qty =			**356.85**	69.00	**24623.00**
	Total								**4503838.00**
	Rupees Forty Five Lakh(s) Three Thousand Eight Hundred Thirty Eight Only								

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division